**Installation Instructions**

**L.E.D. Light Bar**
(Part #’s 76204, 76208, 76212, 76220, 76231, 76238, 76246)

**L.E.D. Light Bar Wiring Kit**
(Part # 76200)

---

**Note:** Read instructions entirely before installing and using this product. Light Bars and Wiring Kits are sold separately. It is recommended to use our wiring kit (Part # 76200) when installing.

<table>
<thead>
<tr>
<th>Parts Included</th>
<th>Qty</th>
<th>Parts</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light</td>
<td>1</td>
<td>Allen Wrench</td>
<td>1</td>
</tr>
<tr>
<td>Deutsch Pigtail</td>
<td>1</td>
<td>Wiring Kit (Sold Separately)</td>
<td>1</td>
</tr>
</tbody>
</table>

---

**Light Bar Mounting**

1. Install light on bumper, light bar or other desired location simply by removing the 10mm lock-nut and slide the threaded rod through mounting hole. Center light on product and tighten nuts completely. (Fig A) If you do not need all mounting bolts they can be easily removed by sliding them to the center of the slot and then pull out.

2. Adjust the light to the desired angle and then secure by tightening the allen bolt on each end. (Fig A)

---

**Wiring (Part # 76200)**

**NOTE:** This is the preferred method.

1. Before doing any wiring, disconnect the negative battery terminal.

2. Mount the included switch with harness in desired location.

---

For Technical Support/Warranty Information please call 310-762-9944

---

Smittybilt, 400 West Artesia Blvd, Compton, CA 90220
3. Route the harness from the mounted switch to the battery and to the LED light bar. (If drilling through firewall be sure to use some kind of grommet so the wires do not rub)

**WIRE LOOM**

A. The lead wire from the switch goes to #85 on the relay.
B. The wire from Spot #86 on the relay goes to a chassis ground.
C. The wire from #87 on the relay has a plug that connects to the light plug and also a chassis ground for the light.
D. The wire from #30 on the relay that has a fuse connects to the positive terminal on the battery.

See general wiring diagram below. (Fig B)

**NOTE:** It is recommended to connect the power wire with fuse from the switch to a switched (ignition) 12 volt positive source.
Custom Wiring

You can wire the lights up yourself using the included pigtail. All electronics are internal so there is no need to mount external electronics. Each light uses a simple 2 wire connection. Red being + 12v and Black being – 12v. lights should be wired to a switch through a relay with a maximum of 2 lights per relay, up to 12” bars, and 1 light per relay for larger bars to ensure optimal durability and performance.

Each relay should be wired as follows:
86 – Chassis Ground
85 – 12v + trigger from switch
30 – 14 gauge 12+ from battery (Minimum gauge is 14 for two lights)
87 – 14 gauge out to red wire on lights (Maximum 2 lights per relay pack)

Duplicate relay packs can be wired for additional lights. Switch trigger can be jumped from relay to relay. Remaining black wire on light should be chassis grounded or grounded to negative terminal on the battery; Making sure grounding surface is cleaned down to metal, using a stainless steel bolt to secure ground ring. Make sure to insulate all connections with heat shrink or electrical tape. Note: Do not ground on light bar.

Troubleshooting

Light does not light.
- Make sure switch is in “On” position
- Check in-line fuses
- Make sure all connections are tight and not lose
- Check wiring to make sure it is not damaged
- Check voltage input on red wire of pigtail across black wire on pigtail
- Check fuse box (If switch is connected to it)

Warning

- Make sure all wiring is away from hot surfaces and moving parts.
- After installing lights be sure to position lamps so they do not blind other drivers. Position your vehicle approximately 25 feet from a wall. The top of the beam projected on the wall should be 4 inches lower than the lights center.
Caution

- The lights and relay harness are to be used with only 12 volt automotive electrical systems.
- Do not place lights near anything flammable after being used.
- Some vehicles create high voltage upon starting or shut down, do not have lights on when starting or turning off the vehicle.
- Lighting laws and regulations vary by state. Check your local laws before using.
- Let lights cool down before handling after use.
- Do not look directly into lights; doing so can cause eye damage.

Limited Warranties

Smittybilt’s products are covered under the following limited warranties only. Note that the duration of the limited warranty differs according to the material and finish of the product purchased. Subject to the duration and conditions of the limited warranty stated below, Smittybilt warrants to the original retail purchaser that its products are free from defects in material and workmanship. All other warranties and representations express or implied, are hereby disclaimed, including fitness for merchantability and buyer's intended use or purpose. All parts are sold “AS IS” except for the limited warranties granted herein. Buyer assumes all risks as to the selection, suitability and performance of all goods and products selected. This limited warranty does not cover damage or impairment in any part due to misuse, improper installation, accident or contact with on-road or off-road hazards, product modification, improper or inadequate cleaning and/or maintenance. Smittybilt is not responsible for items damaged during shipping. This warranty is not transferable from the original buyer. For the original Buyer to be eligible for the limited warranty coverage, the Buyer must provide proof of purchase. Customer’s remedy hereunder shall be limited only to repair or replacement (at Smittybilt’s option) of any defective part(s) returned to Smittybilt at customer’s expense. The determination of whether or not a returned part is defective or subject to coverage under the limited warranties stated herein shall be made at Smittybilt’s sole discretion.

Limited Lifetime Warranty

Smittybilt L.E.D. Light Bars carry the foregoing limited repair or replacement warranty against workmanship and defects in the material so long as the original purchaser retains the bar.

To assure product quality, Smittybilt reserves the right to change product design, material, specification and finishes without prior notice to customers. This limited warranty gives you specific legal rights and you may also have other rights, which may vary from state to state. Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply as to you. Also, some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. Smittybilt reserves the right to discontinue product lines and substitute products, or provide other remedies than those listed in this limited warranty for those discontinued products.

For Technical Support/Warranty Information please call 310-762-9944

Smittybilt, 400 West Artesia Blvd, Compton, CA 90220